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(54) Title: PEPTIDE DEFORMYLASE ACTIVATED PRODRUGS

(57) Abstract: This invention provides a method for inhibiting the growth of a microorganism that expresses Peptide Deformylase by contacting the microorganism with an effective amount of the compound described herein. This method inhibits the growth of gram-positive and gram-negative microorganism, e.g., *S. aureus*, *S. epidermidis*, *K. pneumoniae*, *E. aerogenes*, and *E. cloacae*. This method can be practiced in vitro, ex vivo and in vivo. Further provided is a method for alleviating the symptoms of an infection by a Peptide Deformylase expressing microorganism in a subject by administering or delivering to the subject an effective amount of the compound described above.

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/11981

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61K 31/4709, 39/02; C07C 69/017; C07D 307/42, 401/04  
US CL : 514/253.08, 471, 550; 544/363; 549/496; 560/153

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 514/253.08, 471, 550; 544/363; 549/496; 560/153

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
CAS ONLINE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 02/089739 A2 (NEWBIOTICS, INC.) 14 November 2002 (14.11.2002), see entire document.	1-17
X	US 4,339,440 A (BAJUSZ et al) 13 July 1982 (13.07.1982), see compounds of formula I, especially Example 2.	1-14, 16

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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